

## Title (en)

FLUORESCENCE OBSERVATION DEVICE AND FLUORESCENCE OBSERVATION METHOD

## Title (de)

FLUORESZENZBEOBACHTUNGSVORRICHTUNG UND FLUORESZENZBEOBACHTUNGSVERFAHREN

## Title (fr)

DISPOSITIF D'OBSERVATION DE FLUORESCENCE ET PROCÉDÉ D'OBSERVATION DE FLUORESCENCE

## Publication

**EP 2548497 A4 20151021 (EN)**

## Application

**EP 11756280 A 20110315**

## Priority

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- JP 2011056017 W 20110315

## Abstract (en)

[origin: EP2548497A1] Observation is performed by using a highly-quantitative fluoroscopic image obtained after any distance dependence remaining in a divided image is sufficiently eliminated. Provided is a fluoroscopy apparatus (1) that includes an illumination section (4) that includes a light source (3) for radiating illumination light and excitation light onto a subject (A); a fluoroscopic image acquisition section (18) that acquires a fluoroscopic image (G 2 ) of fluorescence generated in the subject (A); a return-light image acquisition section (17) that acquires a reference image (G 1 ) of return light returning from the subject (A); a distance-information acquisition section that acquires information about a distance between the return-light image acquisition section (17) and the subject (A); and an image correction section (24) that corrects the fluoroscopic image (G 2 ) acquired by the fluoroscopic image acquisition section (18) by using the reference image (G 1 ). The image correction section (24) sets a correction coefficient based on the distance information, generates a correction reference image or a correction fluoroscopic image by performing a power calculation for light intensity information of at least one of the reference image (G 1 ) and the fluoroscopic image (G 2 ) by using the correction coefficient as an index, and divides the correction fluoroscopic image by the correction reference image.

## IPC 8 full level

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## Citation (search report)

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- [XP] WO 2010110138 A1 20100930 - OLYMPUS CORP [JP], et al & EP 2412296 A1 20120201 - OLYMPUS CORP [JP]
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- [A] US 2001056238 A1 20011227 - TSUJITA KAZUHIRO [JP]
- See references of WO 2011115095A1

## Designated contracting state (EPC)

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## DOCDB simple family (application)

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